

J. Bailey.

1636 P #20

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**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/846,606D**

DATE: 01/05/99
TIME: 11:44:13

INPUT SET: S30574.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

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SEQUENCE LISTING

SEQUENCE LISTING

1
2
3 (1) General Information:
4 (i) APPLICANT: Ravnikar et al.
5 (ii) TITLE OF INVENTION: Thioredoxin/Heterologous Protein Bacterial Expression
6 (iii) NUMBER OF SEQUENCES: 14
7 (iv) CORRESPONDENCE ADDRESS:
8 (A) ADDRESSEE: Schering-Plough Corporation
9 (B) STREET: 2000 Galloping Hill Road
10 (C) CITY: Kenilworth
11 (D) STATE: New Jersey
12 (E) COUNTRY: U.S.A.
13 (F) ZIP : 07033-0530
14 (v) COMPUTER READABLE FORM:
15 (A) MEDIUM TYPE: diskette
16 (B) COMPUTER: Power Macintosh 7600/120
17 (C) OPERATING SYSTEM: Macintosh 7.5.3
18 (D) SOFTWARE: Microsoft Word 6.0
19 (vi) CURRENT APPLICATION DATA:
20 (A) APPLICATION NUMBER: US 08/846,606
21 (B) FILING DATE: 30-APR-1997
22 (vii) PRIOR APPLICATION DATA:
23 (A) APPLICATION NUMBER: US 60/011,606
24 (B) FILING DATE: 30-APR-1996
25 (viii) ATTORNEY/AGENT INFORMATION:
26 (A) NAME: Thampoe, Immac J.
27 (B) REGISTRATION NUMBER: 36,322
28 (C) REFERENCE DOCKET NUMBER: JB0600Q
29
30 (2) INFORMATION FOR SEQ ID NO:1:
31 (i) SEQUENCE CHARACTERISTICS:
32 (A) LENGTH: 30 bases
33 (B) TYPE: nucleic acid
34 (C) STRANDEDNESS: single
35 (D) TOPOLOGY: linear
36 (ii) MOLECULE TYPE: DNA
37 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
38
39 CCTGTGGAGT TACATATGAG CGATAAAATT 30
40
41 (2) INFORMATION FOR SEQ ID NO:2:
42 (i) SEQUENCE CHARACTERISTICS:
43 (A) LENGTH: 47 bases
44 (B) TYPE: nucleic acid
45 (C) STRANDEDNESS: single
46 (D) TOPOLOGY: linear

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47 (ii) MOLECULE TYPE: DNA
48 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
49
50 GCACCCAACA TGCAAGGATC CTTACGCCAG ATTAGCATCG AGGAAC 47
51
52
53
54 (2) INFORMATION FOR SEQ ID NO:3:
55 (i) SEQUENCE CHARACTERISTICS:
56 (A) LENGTH: 336 base pairs
57 (B) TYPE: nucleic acid
58 (C) STRANDEDNESS: single
59 (D) TOPOLOGY: linear
60 (ii) MOLECULE TYPE: DNA
61 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
62
63 ATGAGCGATA AAATTATTCA CCTGACTGAC GACAGTTTG ACACGGATGT 50
64 ACTCAAAGCG GACGGGGCGA TCCTCGTCGA TTTCTGGGCA GAGTGGTGC 100
65 GTCCCGTCAA AATGATCGCC CCGATTCTGG ATGAAATCGC TGACGAATAT 150
66 CAGGGCAAAC TGACCGTTGC AAAACTGAAC ATCGATCAAA ACCCTGGCAC 200
67 TGCGCCGAAA TATGGCATCC GTGGTATCCC GACTCTGCTG CTGTTCAAAA 250
68 ACGGTGAAGT GGCGGCAACC AAAGTGGGTG CACTGTCTAA AGGTCAGTTG 300
69 AAAGAGTTCC TCGATGCTAA TCTGGCGTAA GGATCC 336
70
71 (2) INFORMATION FOR SEQ ID NO:4:
72 (i) SEQUENCE CHARACTERISTICS:
73 (A) LENGTH: 336 base pairs
74 (B) TYPE: nucleic acid
75 (C) STRANDEDNESS: single
76 (D) TOPOLOGY: linear
77 (ii) MOLECULE TYPE: cDNA
78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
79
80 ATGAGCGATA AAATTATTCA CCTGACTGAC GACAGTTTG ACACGGATGT 50
81 ACTCAAAGCG GACGGGGCGA TCCTCGTCGA TTTCTGGGCA GAGTGGTGC 100
82 GTCCCGTCAA AATGATCGCC CCGATTCTGG ATGAAATCGC TGACGAATAT 150
83 CAGGGCAAAC TGACCGTTGC AAAACTGAAC ATCGATCAAA ACCCTGGCAC 200
84 TGCGCCGAAA TATGGCATCC GTGGTATCCC GACTCTGCTG CTGTTCAAAA 250
85 ACGGTGAAGT GGCGGCAACC AAAGTGGGTG CACTGTCTAA AGGTCAGTTG 300
86 AAAGAGTTCC TCGAGGCTAA TCTGGCGTAA GGATCC 336
87
88 (2) INFORMATION FOR SEQ ID NO:5:
89 (i) SEQUENCE CHARACTERISTICS:
90 (A) LENGTH: 81 bases pairs
91 (B) TYPE: nucleic acid
92 (C) STRANDEDNESS: single
93 (D) TOPOLOGY: linear
94 (ii) MOLECULE TYPE: cDNA
95 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
96
97 GATAATATTC TGGCTGGTTC TGGTTCTGGT GATGACGATG ACAAGGGTCC 50
98 TGTTCCGCCG TCTACCGCTC TGCCTGAGCT C 81
99

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100
101
102 (2) INFORMATION FOR SEQ ID NO:6:
103 (i) SEQUENCE CHARACTERISTICS:
104 (A) LENGTH: 27 amino acids
105 (B) TYPE: amino acid
106 (D) TOPOLOGY: linear
107 (ii) MOLECULE TYPE: peptide
108 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
109
110
111 Asp Asn Asn Leu Ala Gly Ser Gly Ser Gly Asp Asp Asp Asp Lys
112 1 5 10 15
113
114 Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu Leu
115 20 25
116
117
118 (2) INFORMATION FOR SEQ ID NO:7:
119 (i) SEQUENCE CHARACTERISTICS:
120 (A) LENGTH: 52 bases
121 (B) TYPE: nucleic acid
122 (C) STRANDEDNESS: single
123 (D) TOPOLOGY: linear
124 (ii) MOLECULE TYPE: DNA
125 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
126
127 GAAGGAGGCT GATTAAATGG GTCCGGTTCC GCCGTCTACC GCTCTGGAGC 50
128 TC 52
129
130 (2) INFORMATION FOR SEQ ID NO:8:
131 (i) SEQUENCE CHARACTERISTICS:
132 (A) LENGTH: 18 bases
133 (B) TYPE: nucleic acid
134 (C) STRANDEDNESS: single
135 (D) TOPOLOGY: linear
136 (ii) MOLECULE TYPE: DNA
137 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
138
139 AAGGAGGCTG ATTAATG 18
140
141 (2) INFORMATION FOR SEQ ID NO:9:
142 (i) SEQUENCE CHARACTERISTICS:
143 (A) LENGTH: 17 bases
144 (B) TYPE: nucleic acid
145 (C) STRANDEDNESS: single
146 (D) TOPOLOGY: linear
147 (ii) MOLECULE TYPE: DNA
148 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
149
150 AAGGAGGCTG ATTAATG 17
151
152

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153 (2) INFORMATION FOR SEQ ID NO:10:
154 (i) SEQUENCE CHARACTERISTICS:
155 (A) LENGTH: 14 bases
156 (B) TYPE: nucleic acid
157 (C) STRANDEDNESS: single
158 (D) TOPOLOGY: linear
159 (ii) MOLECULE TYPE: DNA
160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
161
162 AAGGAGGTTC AATG 14
163
164 (2) INFORMATION FOR SEQ ID NO:11:
165 (i) SEQUENCE CHARACTERISTICS:
166 (A) LENGTH: 6 amino acids
167 (B) TYPE: amino acid
168 (D) TOPOLOGY: linear
169 (ii) MOLECULE TYPE: peptide
170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
171
172 Leu Asp Ala Asn Leu Ala
173 1 5
174 (2) INFORMATION FOR SEQ ID NO:12:
175 (i) SEQUENCE CHARACTERISTICS:
176 (A) LENGTH: 21 bases
177 (B) TYPE: nucleic acid
178 (C) STRANDEDNESS: single
179 (D) TOPOLOGY: linear
180 (ii) MOLECULE TYPE: DNA
181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
182
183 CTCGATGCTA ATCTGGCGTA A 21
184
185 (2) INFORMATION FOR SEQ ID NO:13:
186 (i) SEQUENCE CHARACTERISTICS:
187 (A) LENGTH: 21 bases
188 (B) TYPE: nucleic acid
189 (C) STRANDEDNESS: single
190 (D) TOPOLOGY: linear
191 (ii) MOLECULE TYPE: DNA
192 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
193
194 CTCGAGGCTA ATCTGGCGTA A 21
195
196 (2) INFORMATION FOR SEQ ID NO:14:
197 (i) SEQUENCE CHARACTERISTICS:
198 (A) LENGTH: 6 amino acids
199 (B) TYPE: amino acid
200 (D) TOPOLOGY: linear
201 (ii) MOLECULE TYPE: peptide
202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
203
204 Leu Glu Ala Asn Leu Ala
205 1 5

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SEQUENCE VERIFICATION REPORT
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